Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application. Listing of claims:

1. (Currently Amended) A compound of formula (I),

or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which:

X is N or CH;

R₁ is hydrogen or C_{1.6}alkyl or is taken together with R₂ or R₃ to form a monocyclic or bicyclic aryl, cycloalkyl, heteroaryl or heterocycle;

R₂ is hydrogen, aryl, cycloalkyl, heteroaryl, or heterocyclo; or C₁₋₆alkyl or C₂₋₆alkenyl optionally substituted with one to three of hydroxy, alkoxy, halogen, cyano, trifluoromethyl, nitro, amino, alkylamino, aryl, cycloalkyl, or heteroaryl[:], and/or heterocyclo; or R₂ is taken together with R₁ or R₃ to form a monocyclic or bicyclic aryl, cycloalkyl, heteroaryl or heterocyclo; provided that where G is C₂₋₆alkenyl, A₁–NR₁₈CO₂R₁₉, or A₁–SO₂R₁₇, or when y is 0, R₂ may be or C₁₋₆alkyl or C₂₋₆alkenyl, each optionally substituted with heteroaryl;

R₃ is hydrogen or C₁₋₆alkyl or is taken together with R₂ to form a monocyclic or bicyclic aryl, eycloalkyl, heteroaryl or heterocycle;

E is E₁, E₂, E₃ or E₄, wherein

E4-is-NR11R12;

- G is selected from G₂₋₆alkenyl, A₃-aryl, -OR₁₈, heteroaryl, A₁-cyano, A₂-OR₁₇, A₁-C(=O)R₁₈, A₁-CO₂R₁₈, A₁-C(=O)NR₁₈R₁₉, A₁-OC(=O)R₁₈, A₁-NR₁₈C(=O)R₁₉, A₁-OC(=O)NR₁₈R₁₉, A₁-NR₁₈CO₂R₁₉, A₁-NR₁₈SO₂R₁₇, A₁-SO₂R₁₇, A₁-NR₂₀C(=O)NR₁₈R₁₉, and A₁-SR₁₈; or when y is 0, or when W is a group other than NHR₂₂, G may be A₁-heterocyclo, wherein A₁ is a bond, C₁₋₆alkylene or C₂₋₆alkenylene (straight or branched chain), A₂ is C₁₋₆alkylene or C₂₋₆alkenylene, and A₃ is C₂₋₆alkenylene; or where G is C₂₋₆alkenyl, A₁-NR₁₈CO₂R₁₉, or A₁-SO₂R₁₇, or when y is 0, R₂ may be C₁₋₆alkyl or C₂₋₆alkenyl, each substituted with heteroaryl;
- W is selected from –NR₂₁R₂₂, –OR₂₃, –NR₂₁C(=O)R₂₄, –NR₂₁CO₂R₂₄, amidino, guanidino, or a substituted or unsubstituted heterocyclo, heteroaryl, or cycloalkyl selected from azepinyl, azetidinyl, imidazolyl, imidazolidinyl, pyrazolyl, pyridyl, pyrazinyl, pyridazinyl, 1,2-dihydropyridazinyl, pyranyl, tetrahydropyranyl, piperazinyl, homopiperazinyl, pyrrolyl, pyrrolidinyl, piperidinyl, thiazolyl, tetrahydrothiazolyl, thienyl, furyl, tetrahydrofuryl, morpholinyl, isoquinolinyl, tetrahydroisoquinolinyl, tetrazolyl, oxazolyl, tetrahydro-oxazolyl, and C₃₋₇cycloalkyl, wherein said heteroaryl, heterocyclo or cycloalkyl groups may additionally have joined thereto an optionally substituted five-to-seven membered heterocyclic, heteroaryl, or carbocyclic ring;
- R₄ and R₇ are independently selected from hydrogen, alkyl, substituted alkyl, halogen, hydroxy, alkoxy, and keto;
- R_5 , R_{5a} , R_6 , R_{6a} , R_{6b} , R_8 and R_9 are independently hydrogen, halogen, cyano, alkyl, substituted alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclo, aryl, heteroaryl, $-OR_{25}$, $-NR_{25}R_{26}$, $-SR_{25}$ $-S(O)_pR_{26}$, $-C(=O)R_{25}$, $-OC(=O)R_{25}$, $-CO_2R_{25}$, $-C(=O)NR_{25}R_{26}$, $-NR_{25}C(=O)R_{26}$, $-OC(=O)NR_{25}R_{26}$, $-NR_{25}CO_2R_{26}$, $-NR_{27}C(=O)NR_{25}R_{26}$ or $-NR_{25}SO_2R_{26}$, or R_{5a} and R_{5b} , or R_8 and R_9 taken together form a keto group (=O) or a monocyclic or bicyclic cycloalkyl or heterocyclo joined in a spiro fashion to ring E, or alternatively, R_{5a} and/or R_{5b} together with R_8 and/or R_9 , or R_{6a} and/or R_{6b} together with R_8 and/or R_9 , are taken to form a fused carbocyclic, heterocyclic, or heteroaryl ring; provided that, when G is a C_{1-6} alkyl substituted with $-OR_{17}$, $-CO_2R_{18}$, or $-C(=O)NR_{18}R_{19}$, then R_{5a} , R_{5b} , R_{6a} , and R_{6b} are hydrogen provided R_8 and R_9 are not both hydrogen;

R₁₀ is selected from hydrogen, alkyl, substituted alkyl, cycloalkyl, aryl, heteroaryl, and hetereocyclo; R₁₁ is hydrogen or C₁₋₈alkyl;

R₁₂ is C₁₋₈alkyl, substituted C₁₋₈alkyl, or cycloalkyl;

R₁₃, R₁₄, R₁₅ and R₁₆ are selected independently of each other from hydrogen, alkyl, substituted alkyl, amino, alkylamino, hydroxy, alkoxy, aryl, cycloalkyl, heteroaryl, or heterocyclo, or R₁₃ and R₁₄, or R₁₅ and R₁₆, when attached to the same carbon atom, may join to form a spirocycloalkyl ring;

R₁₇ is alkyl, substituted alkyl, cycloalkyl, aryl, heterocyclo, or heteroaryl;

R₁₈, R₁₉, and R₂₀ are independently selected from hydrogen, alkyl, substituted alkyl, alkenyl, substituted alkenyl, aryl, heteroaryl, cycloalkyl, heterocyclo, or C(=O)R₂₈, or when G is NH(C=O)R₁₉, R₁₉ may be a bond joined to W to define a heterocyclo ring; provided, however, that when y is at least one, W is imidazolyl, indolyl, –NR₂₁R₂₂, or –OR₂₃, and G is –NR₁₈C(=O)R₁₉, then R₁₉ is not a C₁-alkyl having the substituent -NR₂₉R₃₁;

R₂₁ and R₂₂ are selected from hydrogen, alkyl, and substituted alkyl;

R₂₃ and R₂₄ are independently hydrogen, alkyl, substituted alkyl, aryl, heteroaryl, heterocyclo, and cycloalkyl;

R₂₅, R₂₆ and R₂₇ are independently hydrogen, alkyl, substituted alkyl, cycloalkyl, aryl, heterocyclo, or heteroaryl; or R₂₅ and R₂₆ may join together to form a heterocyclo or heteroaryl, except R₂₆ is not hydrogen when joined to a sulfonyl group as in -S(O)_pR₂₆ or -NR₂₅SO₂R₂₆;

R₂₈ is hydrogen, alkyl, or substituted alkyl;

R₂₉ and R₃₁ are selected from hydrogen, alkyl, haloalkyl, hydroxyalkyl, phenylalkyl, and alkoxycarbonylalkyl, or R₂₉ and R₃₁ taken together form a heterocyclo ring;

n is 0, 1, 2, 3 or 4;

p is 1, 2, or 3:

r and s are 0 or 1;

x is 0, 1, or 2;

y is 0, 1, 2, 3 or 4; and

z is 0, 1, or 2.

2. (Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] <u>or hydrate</u>, or prodrug thereof, in which:

, in which:

G is selected from:

a) C2 4 alkenyl optionally substituted with phenyl;

- $\underline{a}[b]$) $-CO_2R_{18}$, $-C(=O)NR_{18}R_{19}$, $-NR_{18}C(=O)R_{19}$, and $-SO_2R_{17}$,
- <u>c[d]</u>) when y is 0, or when W is a group other than NHR₂₂, G also may be selected from optionally substituted pyrrolidinyl or piperidinyl;

R₁₇ is C₁₋₄alkyl, C₅₋₆cycloalkyl, phenyl or benzyl;

R₁₈, R₁₉, and R₂₀ are independently selected from hydrogen, C₁₋₄alkyl, phenyl, benzyl, C₅₋₆cycloalkyl, -C(=O)CH₂(phenyloxy), -C(=O)CH₂(benzyloxy), imidazolyl, pyridyl, furyl, thienyl, or C₁₋₄alkyl or C₂₋₄alkenyl substituted with one of phenyl, pyridyl, furyl, cyclopentyl, cyclohexyl, CO₂Me, phenyloxy, or benzyloxy, wherein each ringed group of R₁₈, R₁₉, and R₂₀ in turn is optionally substituted with one to two R₃₆, and/or optionally has a benzene ring or five membered heterocyclo having two oxygen atoms fused thereto; and

R₃₆ is halogen, methoxy, nitro, phenyl, phenyloxy, or alkylamino.

3. (Currently Amended) A compound according to claim 2, or a pharmaceutically-acceptable salt[,] <u>or hydrate</u>, <u>or prodrug</u> thereof, in which

G is
$$-NR_{18}C(=O)R_{19}$$
,

R₁₈ is hydrogen or lower alkyl, and

R₁₉ is C₁₋₄alkyl, C₂₋₄alkenyl, phenyl, benzyl, C₅₋₆cycloalkyl, -C(=O)CH₂(phenyloxy), -C(=O)CH₂(benzyloxy), imidazolyl, pyridyl, furyl, thienyl, or C₁₋₄alkyl or C₂₋₄alkenyl substituted with one of phenyl, phenyl, pyridyl, furyl, cyclopentyl, cyclohexyl, CO₂Me, phenyloxy, and benzyloxy, wherein each ringed group of R₁₉ in turn is optionally substituted with one to two R₃₆, and/or optionally has a benzene ring or five membered heterocyclo having two oxygen atoms fused thereto.

4. (Currently Amended) A compound according to claim 2, or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which W is OH, -NH₂ -NHalkyl, -N(alkyl)₂, azetidinyl, imidazolyl, piperidinyl, pyrrolidinyl, or NHCO₂(alkyl); or a C₄₋₇cycloalkyl optionally substituted with lower alkyl, -NH₂ -NHalkyl, or -N(alkyl)₂.

5. (Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, having the formula:

$$(R_{30})_t$$
 O
 NH
 N
 R_9
 R_9

in which

K is phenyl or thiazolyl;

R₃₀ is selected from C₁₋₄alkyl, hydroxy, alkoxy, halogen, nitro, cyano, amino, alkylamino, phenyl, and – C(=O)phenyl;

t is 0, 1 or 2; and y is 0, 1 or 2.

6. (Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which

W is OH, $-NR_{21}R_{22}$ -NHC(=O) R_{24} , or -NHCO₂alkyl;

R₂₁ and R₂₂ are independently selected from hydrogen, C₁₋₈alkyl, and (CH₂)_q-J, wherein J is selected from napthyl, furanyl, indolyl, imidazolyl, pyrimidinyl, benzothienyl, pyridinyl, pyrrolyl, pyrrolidinyl, thienyl, and C₃₋₇cycloalkyl, wherein the alkyl, alkylene, and/or J groups of R₂₁ and/or R₂₂ are optionally substituted with up to three R₃₃;

R₂₄ is selected from C₁₋₆alkyl, trifluoromethyl, alkoxyalkyl, furylalkyl, alkylaminoethyl, phenyl, pyrollylalkyl, piperidinyl, and piperidinylalkyl, wherein R₂₄ in turn is optionally substituted with one to two C₁₋₄alkyl and/or –CO₂(C₁₋₄alkyl);

 R_{33} is selected from C_{1-6} alkyl, hydroxy, C_{1-4} alkoxy, amino, C_{1-4} alkylamino, amino C_{1-4} alkyl, trifluoromethyl, halogen, phenyl, benzyl, phenyloxy, benzyloxy, $-C(=O)(CH_2)NH_2$, $-CO_2(C_1-4)$, $-SO_2(C_{1-4}$ alkyl), tetrazolyl, piperidinyl, pyridinyl, and indolyl, wherein when R_{33} includes a ring, said ring in turn is optionally substituted with one to two C_{1-4} alkyl, hydroxy, methoxy, and/or halogen; and

q is 0, 1, 2 or 3.

(Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,]
 <u>or hydrate</u>, <u>or prodrug</u> thereof, in which

W is a ring selected from:

R₃₄ at each occurrence is attached to any available carbon or nitrogen atom of W and is selected from C₁₋₆alkyl, halogen, amino, aminoalkyl, alkylamino, hydroxy, C₁₋₄alkoxy, hydroxyC₁₋₄alkyl, -C(=O)alkyl, -C(=O)aminoalkyl, -C(=O)phenyl, -C(=O)benzyl, -CO₂alkyl, -CO₂phenyl, -CO₂benzyl, -SO₂alkyl, -SO₂aminoalkyl, -SO₂phenyl, -SO₂benzyl, phenyl, benzyl, phenyloxy, benzyloxy, pyrrolyl, pyrazolyl, piperidinyl, pyridinyl, pyrimidinyl, and tetrazolyl, and/or two R₃₄ when attached to two adjacent carbon atoms or adjacent carbon and nitrogen atoms may be taken together to form a fused benzo, heterocyclo, or heteroaryl ring, and/or two R₃₄ when attached to the same carbon atom (in the case of a non-aromatic ring) may form keto (=O), and each R₃₄ in turn is optionally substituted with up to two R₃₅;

R₃₅ is selected from halogen, trifluoromethyl, C₁₋₄alkyl, cyano, nitro, trifluoromethoxy, amino, alkylamino, aminoalkyl, hydroxy, and C₁₋₄alkoxy;

w is selected from 0, 1, or 2; u is selected from 0, 1, 2, and 3; and v is 0, 1 or 2.

- 8. (Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which
- R₈ and R₉ are selected independently from hydrogen, alkyl, –(CH₂)_j-C(=O)alkyl, –(CH₂)_j-phenyl, –

 (CH₂)_j-napthyl, –(CH₂)_j-C₄₋₇cycloalkyl, –(CH₂)_j-heterocyclo, and –(CH₂)_j- heteroaryl, <u>provided</u>

 <u>R₈ and R₉ are not both hydrogen</u>, or R₈ and R₉ together form a spirocycloalkyl or spiroheterocyclic ring; and

j is selected from 0, 1, 2 and 3.

9. (Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] <u>or hydrate</u>, or prodrug thereof, in which

10. (Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which

 $R_2 \ is \ selected \ from \ \frac{hydrogen}{hydrogen}, \ C_{1\text{-}6} alkyl, \ C_{2\text{-}6} alkenyl, \ C_{2\text{-}6} alkenylene-K, \ and \ -(CH_2)_g-K;$

K is selected from phenyl, napthyl, thienyl, thiazolyl, pyridinyl, pyrimidinyl, and C₅₋₆cycloalkyl, wherein each group K in turn is optionally substituted with one to three R₃₀ or has a benzene ring fused thereto, which also may be substituted with one to three R₃₀;

R₃₀ is selected from C₁₋₄alkyl, hydroxy, alkoxy, halogen, nitro, cyano, amino, alkylamino, phenyl, and acylphenyl; and

11. (Withdrawn) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which $-X(R_1)-CH(R_2)-CH(R_3)_r-(CH_2)_s$ -, taken together are selected from C_{1-4} alkylene,

12. (Currently Amended) A compound according to claim 1, or a pharmaceutically-acceptable salt[,] <u>or hydrate</u>, or prodrug thereof, in which

X is N;

R₁ is hydrogen or C₁₄alkyl[;]

r is 0; and

s is 0.

13. (Canceled) A compound according to claim 1, or a pharmaceutically-acceptable salt hydrate, or prodrug thereof, in which

G is C₂₋₄alkenyl, NHC(=O)R₁₉, SO₂R₁₇, or when y is 0, G may also be pyrrolidinyl, piperidinyl, pyrrolidinyl(lower alkyl), or piperidinyl(lower alkyl);

W is $-NR_{21}R_{22}$, $NR_{21}C(=O)R_{24}$, azetidinyl, or imidazolyl;

 R_{17} and R_{19} are lower alkyl, and when W is imidazolyl, R_{19} may be joined with W to form a heterocycle; R_{21} and R_{22} are selected from hydrogen and lower alkyl; and

14. (Currently Amended) A compound having the formula,

$$\begin{array}{c}
O \\
R_2 \\
N \\
-R_1 \\
O \\
(CH_2)_x \\
G \\
(H_2C)_y \\
W
\end{array}$$

or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which:

X is N or CH;

R₁ is hydrogen or C₁₋₆alkyl or is taken together with R₂ or R₃ to form a monocyclic or bicyclic aryl, cycloalkyl, heteroaryl or heterocycle;

R₂ is hydrogen, aryl, cycloalkyl, heteroaryl, or heterocyclo; or C₁₋₆alkyl or C₂₋₆alkenyl optionally substituted with one to three of hydroxy, alkoxy, halogen, cyano, trifluoromethyl, nitro, amino, alkylamino, aryl, cycloalkyl, or heteroaryl[;], and/or heterocyclo; or R₂ is taken together with R₁ or R₃ to form a monocyclic or bicyclic aryl, cycloalkyl, heteroaryl or heterocycle; provided that where G is C₂₋₆alkenyl, A₁–NR₁₈CO₂R₁₉, or A₁–SO₂R₁₇, or when y is 0, R₂ may be or C₁₋₆alkyl or C₂₋₆alkenyl, each optionally substituted with heteroaryl;

R₃ is hydrogen or C₁₋₆alkyl or is taken together with R₂ to form a monocyclic or bicyclic aryl, cycloalkyl, heteroaryl or heterocycle;

E is E₁, E₂, E₃ or E₄, wherein

E4-is-NR44R42;

G is selected from:

- a) C2-4alkenyl optionally substituted with phenyl;
- $\underline{a}[b]$) $-CO_2R_{18}$, $-C(=O)NR_{18}R_{19}$, $-NR_{18}C(=O)R_{19}$, and $-SO_2R_{17}$,
- <u>c[d]</u>) when y is 0, or when W is a group other than NHR₂₂, G also may be selected from optionally substituted pyrrolidinyl or piperidinyl;
- W is selected from –NR₂₁R₂₂, –OR₂₃, –NR₂₁C(=O)R₂₄, –NR₂₁CO₂R₂₄, amidino, guanidino, or a substituted or unsubstituted heterocyclo, heteroaryl, or cycloalkyl group selected from azetidinyl, imidazolyl, imidazolidinyl, pyrazolyl, pyridyl, pyrazinyl, pyridazinyl, 1,2-dihydropyridazinyl, pyranyl, tetrahydropyranyl, piperazinyl, homopiperazinyl, pyrrolyl, pyrrolidinyl, piperidinyl, thiazolyl, tetrahydrothiazolyl, thienyl, furyl, tetrahydrofuryl, morpholinyl, isoquinolinyl, tetrahydroisoquinolinyl, tetrazolyl, oxazolyl, tetrahydro-oxazolyl, and C₃₋₇cycloalkyl, wherein said heteroaryl, heterocyclo or cycloalkyl groups may additionally have fused thereto an optionally substituted five-to-seven membered heterocyclic, heteroaryl, or carbocyclic ring;
- R₄ and R₇ are independently selected from hydrogen, alkyl, substituted alkyl, halogen, hydroxy, alkoxy, and keto;
- R₅, R_{5a}, R₆, R_{6a}, R_{6b}, R₈ and R₉ are independently hydrogen, halogen, cyano, alkyl, substituted alkyl, alkenyl, hydroxy, alkoxy, alkoxycarbonyl, acyl, cycycloalkyl, heterocyclo, aryl, or heteroaryl; or R_{5a} and R_{5b}, R_{6a} and R_{6b}, or R₈ and R₉ taken together form a keto group (=O) or a monocyclic or bicyclic cycloalkyl or heterocyclo joined in a spiro fashion to ring E, or alternatively, R_{5a} and/or R_{5b} together with R₈ and/or R₉, or R_{6a} and/or R_{6b} together with R₈ and/or R₉, join together to form a fused benzene or heterocyclo ring; provided that, when G is a C₁₋₆alkyl substituted with –OR₁₇, –CO₂R₁₈, or –C(=O)NR₁₈R₁₉, then R_{5a}, R_{5b}, R_{6a}, and R_{6b} are hydrogen;

 R_{10} is selected from hydrogen, alkyl, substituted alkyl, cycloalkyl, aryl, heteroaryl, and hetereocyclo; R_{11} is hydrogen or C_{1-8} alkyl;

R₁₂ is C₁₋₈alkyl, substituted C₁₋₈alkyl, or cycloalkyl;

R₁₇ is alkyl, substituted alkyl, cycloalkyl, aryl, heterocyclo, or heteroaryl;

R₁₈, R₁₉, and R₂₀ are independently selected from hydrogen, alkyl, alkenyl, aryl, heteroaryl, cycloalkyl, heterocyclo, C(=O)R₂₈ or a C₁₋₄alkyl or C₂₋₄alkenyl substituted with one or more of aryl, heteroaryl, cycloalkyl, heterocyclo, alkoxycarbonyl, phenyloxy, and/or benzyloxy, and each of said ringed groups of R₁₈, R₁₉, and R₂₀ in turn is optionally substituted with one to two R₃₆;

R₂₁ and R₂₂ are selected from alkyl and substituted alkyl;

R₂₃ and R₂₄ are independently selected from hydrogen, alkyl, substituted alkyl, aryl, heteroaryl, heterocyclo, and cycloalkyl;

R₂₈ is hydrogen, alkyl, or substituted alkyl;

R₃₆ is halogen, methoxy, nitro, phenyl, phenyloxy, or alkylamino;

n is 0, 1, 2, 3 or 4;

r and s are 0 or 1;

x is 0, 1, or 2;

y is 0, 1, 2, 3 or 4; and

z is 0, 1, or 2.

15. (Canceled) A compound according to claim 14, or a pharmaceutically-acceptable salt hydrate, or prodrug thereof, having the formula:

wherein G is C₂₋₄alkenyl, NHC(=O)R₁₉, SO₂R₁₇, or when y is 0, G may also be pyrrolidinyl, piperidinyl, pyrrolidinyl(lower alkyl), or pipridinyl(lower alkyl);

W is OH, –NH₂, NH(lower alkyl), N(lower alkyl)₂, azetidinyl, or imidazolyl, wherein the azetidinyl and imidazolyl are optionally substituted with lower alkyl;;

 R_{17} and R_{19} are lower alkyl or phenyl;

 R_{30} is C_{14} alkyl, hydroxy, methoxyl, ethoxy, halogen, nitro, cyano, amino, C_{14} alkylamino, phenyl, or C(=0)phenyl; and

y is 0, 1, or 2.

16. (Currently Amended) A compound according to claim 15, or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof, in which E is

- 17. (Currently Amended) A compound according to claim 14, or a pharmaceutically-acceptable salt[,] <u>or hydrate</u>, <u>or prodrug</u> thereof, in which G is NHC(=O)(alkyl) or NHC(=O)phenyl.
- 18. (Currently Amended) A compound according to claim 1, having the formula,

or a pharmaceutically-acceptable salt[,] or hydrate, or prodrug thereof.

- 19. (Currently Amended) A pharmaceutical composition comprising at least one compound according to claim 1 or a pharmaceutically-acceptable salt[,] <u>or hydrate</u>, <u>or prodrug</u> thereof; and a pharmaceutically-acceptable carrier or diluent.
- 20. (Withdrawn) A pharmaceutical composition comprising (i) at least one compound according to claim 1 or a pharmaceutically-acceptable salt hydrate, or prodrug thereof; (ii) at least one second

compound effective for treating an inflammatory or immune disease, a cardiovascular disease, or a neurodegenerative condition; and (iii) a pharmaceutically-acceptable carrier or diluent.

- 21. (Withdrawn) The pharmaceutical composition according to claim 20 in which the at least one second compound comprises a phosphodiesterase inhibitor.
- 22. (Withdrawn) A method of treating a melanocortin-receptor associated condition, the method comprising administering to a warm-blooded species in need of such treatment a therapeutically-effective amount of at least one compound according to claim 1.
- 23. (Withdrawn) The method of claim 22 in which the melanocortin-receptor associated condition is an MC-1R or MC-4R condition.